127	Supplying and fixing Moulded Case Circuit Breaker (MCCB) over the existing wood/panel board using necessary screws, bolts, nuts and wiring complete. Protection of Overload and Short circuit with thermal Magnetic/Micro processor release and Earth Fault as per IS-13947. (Icu = Ics) THREE POLE 100Amps25kA.,As directed by the engineer incharge of the work.	Nos	1	4044.00	4044.00
128	Supplying & fixing of Porcelain fuse channel with cut out on existing wooden/panel using necessary nuts, bolts and washers.63Amps,As directed by the engineer incharge of the work.	Each	6	234.00	1404.00
129	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, Indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898.f)40-63Amps TPN,As directed by the engineer incharge of the work.	Each	3	1936.00	5808.00
130	Fabricating supplying and mounting MS box made out ... SWG suitable for floor / wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished with 2 coats of red oxide primer paint and finally finished with approved colour enameled metal paint etc., complete.16SWG,As directed by the engineer incharge of the work.	Sqcm	70000	0.33	23100.00
131	Supply and fixing of 4-pole power contactor with NO/NC contacts on existing wood / panel board using necessary bolts, nuts, washers and wiring etc., complete. d) 100-125 Amps,As directed by the engineer incharge of the work.	Nos	3	9915.00	29745.00
132	Wiring for lighting/power circuit using one of PVC insulated 1100v grade, multis and **Copper** conductor single core cable in open or consealed system of wiring.I Group A Materials.g)16 sqmm..5 sqmm,As directed by the engineer incharge of the work.	Mtrs	600	15.90	9540.00
	g)16 sqmm,As directed by the engineer incharge of the work.	Mtr.	10	132.00	1320.00
133	Supplying and fixing phylum brand hard plastic sheet 3mm thick with necessary niches for fixing switches, regulators etc., and fixing on exisiting wood or metal box using N.F.screws	Sqcms	20000	0.22	4400.00
134	Supplying and fixing angle iron frame work fabricated out of M.S. angle iron.. And M.S. flat... with bolts, washers etc., and painted with 2 coats of red oxide and then two coats of approved paint. a)40X40X6mm,As directed by the engineer incharge of the work.	Mtrs	30	263	7890.00
135	Supplying and fixing electro mechanical timer (without contactor) using necessary bolts, nuts and waqshers etc.. Group A,As directed by the engineer incharge of the work.	Nos	2	4200.00	8400.00
136	Supply of LED Post Top Lantern with system ... wattage, housing & frame shall be of powder coated, die cast aluminum, diffuser with high density polyethylene IP65 EPDM Gasket. Life 50000 Hrs. @ L70 shall be conforming to IS 10322/Part 5/ Section 5 @ 230V. 5 years Warranty against any manufacturing defect working under standard electrical condition 2)LED Post Top Lantern with 24 watts,As directed by the engineer incharge of the work.	Nos	60	15930.00	955800.00
137	Supply of LED Square Recessed Down lighter with 18W System Wattage. Housing shall be with powder coated pressure die cast aluminum alloy with corrosion resistant polyester powder coat & with extended heat sink. Diffuser/cover made of Lexan plastic material. Rated life shall be L70 @ 50000 Hrs. which shall has inbuilt electrical protection like over/under voltage, short circuit, overload, open circuit & miswiring. Driver is on constant current driver output driver @ 0.06A with PF > 0.9 with line voltage @ 220-240V @ 50/60Hz, driver efficiency > 85% & THD<15%. LED Efficiency > 130 lm/W at 1W & Fixture Efficiency >75lm/w with CRI > 75 with injection moulded Polycarbonate lens. 5 years Warranty against any manufacturing defect working under standard electrical condition.As directed by the engineer incharge of the work.	No	3	4945.00	14835.00
138	Fixing charges of post top/ Gate/ Garden fitting /LED on the existing CI / GI or any other pipe using required size of reducer, wiring using suitable wires.As directed by the engineer incharge of the work.	Each	70	145.00	10150.00
139	Supplying, fixing, wiring, earth electrode for grounding conduits, I.C. cutouts and other equipments on the meter board using 40mm dia 2.90 thick GI pipe 2.5 mtr long buried in a pit ... The pit should be filled with equal proprotion of salt and charcoal 150mm alround the pipe to complete depth. the connection form the pipe to the conduit etc, is to be established through GI wire of size as oer ISI specification 7.3.3. of IS 732 using 12mm dia bolts, nuts, washers and checknuts etc, the pipe shall have 16 through holes of 122mm dia.As directed by the engineer incharge of the work.	Each	1	2727.00	2727.00
140	Supplying and running of GI/Copper strips for grounding connections, using necdessary fixing materials as required. GI strip 1). 25x3mm,As directed by the engineer incharge of the work.	Per Mtr	10	77.00	770.00

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141	Supplying of LED Floodlight with ..... W System Power consumption pressure die cast aluminum housing with powder coating with IP 65 protection. 1, 200-275V voltage with electronic Driver, PF>0.9, should meet ANSI 2G Vibration test, Compliance to UL/CE with Class I. System rating shall be 50K hrs. @ Lumen maintenance of 70%, system efficacy > 80lm/w. Over load & Short circuit protection ensures reliable operation in spite of problem in output side. Compliance to IS 10322/IEC 60598, LM 79 & LM 80 Adherence with RoHS. UL approved MCPCB. Top access street light with single screw to ensure ease of maintenance at the sight site location with minimized minimal tools. LED Light fixture with .....W System Power consumption. LED Efficiency>130lm/w at 1W & Fixture Efficiency >80lm/w with nominal CRI >75. Luminaire manufacturer should have in-house facility accredited by NABL/CPRI & any Government certified agency & Design & Development facility certified by ISO 9001:2008. Housing with supplier word mark /name shall be Engraved / Embossing on the die cast housing/ Body part. Warranty of 5 Years against any manufacturing defect working under standard electrical conditions as mentioned above should be given by LED manufacturer. 2) LED Floodlight 90W,As directed by the engineer incharge of the work.	No	10	14646.00	146460.00
142	Supplying and fixing of class A (medium duty) GI pipe of wall thick ness not less than 3.25 mm on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 KV class. 2) 50 mmAs directed by the engineer incharge of the work.	Mtrs	6	391.00	2346.00
143	Supplying and fixing L.T. cast Iron pot heads suitable for 1.1 KV class UG cable filled with necessary bitumen/insulating compound complete with terminals,	Nos	2	362.00	724.00
144	Supplying and fixing of LED type panel board indicating lamp with required colour suitable for 220v A.C.50 Hz 12/24v D.C.As directed by the engineer incharge of the work.	Nos	3	442.00	1326.00
145	Supplying tinned copper lugs and crimping and wiring to terminal point for wire of the following sizes 6) 16 sqmm.As directed by the engineer incharge of the work.	Nos	400	11.31	4524.00
146	open conduit system Supplying heavy gauge PVC conduit pipe.... dia confirming to IS 2509 with suitable size bends, junction boxes, adhesive paste etc., and fixing using inverted wood plugs in case of RCC ceiling and RCC wall stone structure or rawl plugs in case of brick walls and cement plastering damaged portion using heavy gauge saddles at an interval of 700mm using NF screws. 2) 25mm dia 2mm thick ,As directed by the engineer incharge of the work.	P/Mtr	750	70.00	52500.00
147	Providing Rcc Pole pedstal of Size 0.5x0.5x1.6 Mtrs Including digging of pit, tor steel, anchoring bolts nuts ,templates ,Centring,1;4;8base concrete,1;2;4pedestal concrete and etc As directed by the engineer incharge of the work.	Nos	60	1080.00	64800.00
148	Providing Rcc Pole pedstal of Size 0.5x0.5x1.6 Mtrs Including digging of pit, tor steel, anchoring bolts nuts ,templates ,Centring,1;4;8base concrete,1;2;4pedestal concrete and etc coplete as per the data sheet enclosed As directed by the engineer incharge of the work.	Nos	5	4199.00	20995.00
149	Supplying of Hikvision 8 Chanl DVR DS7508N1NVR,As directed by the engineer incharge of the work.	Nos	1	16879.00	16879.00

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150	Supplying of 1.3 MegaPixel Hikvision CCTV CamaraDS2CD20F-1As directed by the engineer incharge of the work.	Nos	4	13400.00	53600.00
151	Supplying Hikvision PTZ Camara DS 2DE7174-A With Pole Mount and Power Supplay,As directed by the engineer incharge of the work.	Nos	1	65000.00	65000.00
152	Supplying of 2TB Hard disk seagate,As directed by the engineer incharge of the work.	Nos	2	10550.00	21100.00
153	Supplying of 4x4 Pole Switch TP link,As directed by the engineer incharge of the work.	Nos	1	7174.00	7174.00
154	Supplying of 4 Pin Spike pin Cona/Reputed,As directed by the engineer incharge of the work.	Nos	5	1145.00	5725.00
155	Supplaying of Out door SupportableCAD5/ CAD6 Cable	Mtrs	800	70.00	56000.00
156	Laying of Out door Supportable CAD5/ CAD6 Cable,As directed by the engineer incharge of the work.	Mtrs	800	10.50	8400.00
157	Supplaying of 32" LED TV Make Samsung/ LG /	Nos	1	35000.00	35000.00
158	Instlation Charges For Camera ,DVR ,Spike Pin, IP Configration & etc Complet Soas to work Coplet CCTV System.As directed by the engineer incharge of the work.	Set	1	26500.00	26500.00

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BRUHAT BANGALORE MAHANAGARA PALIKE, BANGALORE .

Name of the work: Vin Field layout park main road Jakkur Ward No-05.(Yalahanka)

Head of account :AMRUT Scheme. 2017-18.

Sl No	Paticulars	Qty	Unit	Amount	Area Weightage	Total Amount
1	2	3		4		
1	Clearing and grubbing road land	6997.22	Sq.M.	44,502.00	0%	44,502.00
2	Compound wall up to plinth	344.6	Meter	12,82,962.55	0%	12,82,962.55
	Chain linked fencing above plinth	235.02	Meter	1,24,560.60	0%	1,24,560.60
3	Ornamental MS Grill above plinth	110	Meter	12,37,359.20	0%	12,37,359.20
3	Entry Gates & wicket gates	2	Nos	90,271.19	0%	90,271.19
4	Gazebo of size 3.5x3.5	1	Nos	3,73,482.08	0%	3,73,482.08
5	Gazebo of size 6.5x6.5	2	Nos	15,26,444.47		15,26,444.47
6	Walkway with interlocked paver blocks	550	Meter	20,34,886.71	0%	20,34,886.71
7	Electical works				0%	
	LED ornamental lights with 4.5 meter high pole	60	Nos	24,88,321.00	0%	24,88,321.00
8	Children Equipments				0%	
	Rainbow Climber LK-CL-81	3	Nos	36,612.00	0%	36,612.00
	Sea Saw Double - LK-SS-63	8	Nos	1,12,972.00	0%	1,12,972.00
	Arch Swing two seater LK-SW-51	6	Nos	1,92,876.00	0%	1,92,876.00
	FRP dust bins	26	Nos	1,38,060.00	0%	1,38,060.00
	Two way slide	7	Nos	3,69,985.00	0%	3,69,985.00
	Standing Mary go round	4	Nos	97,904.00	0%	97,904.00
	Duck Mary go round	4	Nos	96,370.00	0%	96,370.00
	FRP STRIP CI- Benches LK-GB-101	35	Nos	4,95,600.00	0%	4,95,600.00
	Sand filling in Kids Play Area	550	Sqm	3,73,411.50	0%	3,73,411.50
9	Open Gym Equipments				0%	
	Cross Walker	2	Nos	2,59,200.00	0%	2,59,200.00
	Leg press	2	Nos	3,61,600.00	0%	3,61,600.00
	Leg& Thigh exerciser/Air walker	2	Nos	4,00,000.00	0%	4,00,000.00
	Trainer/ sit-up bench	2	Nos	2,97,600.00	0%	2,97,600.00
	Push &pull up chair	2	Nos	4,38,400.00	0%	4,38,400.00
	Seated chest press	2	Nos	4,64,000.00	0%	4,64,000.00
	Tai chi wheel	2	Nos	2,59,200.00	0%	2,59,200.00
	Waist twister triple	2	Nos	2,97,600.00	0%	2,97,600.00
	Single pole setup cycle	2	Nos	2,97,600.00	0%	2,97,600.00
	Paver blocks for open gym area	500	Sqm	1,45,008.00	0%	1,45,008.00
10	Horticulture Work			1,74,609.00	0%	
	Totai for Horticulture works	4892	sqm	48,31,895.31	0%	48,31,895.31
11	FRP toilet	1	Nos	42,480.00	0%	42,480.00
11	Water Supply				0%	
	Boreweli	2	No.	9,08,145.00	0%	9,08,145.00
	Pumping main & Distribution main	400	meter	1,37,159.76	0%	1,37,159.76
12	Rain Water Harvesting Collection Pits	4	Nos	1,42,825.40	0%	1,42,825.40
13	Rain Water Harvesting Recharge Wells	6	Nos	1,68,390.31	0%	1,68,390.31
14	FRP security cabin	1	Nos	63,720.00	0%	63,720.00
			Sub Total	2,06,31,404.09	0%	2,06,31,404.09
	Miscellaneous&round off					23,04,000.00
	Total Project Cost excluding Operation & Maintenance				0%	2,29,36,000.00

730 × 4,956 = 3,61,688

180 × 1,74,609.00 = 1,45,008.00

16,47,828 + 26,34,253 = 42,82,081

4,95,618 + 2,51,200 + 3,53,600 + 3,92,000 + 2,89,600 + 4,30,400 + 4,56,000 + 2,51,200 + 2,89,600 + 2,89,600 + 1,74,009 = 36,72,816

1,26,64 + 2,14,20 + 15,14,19 = 18,54,824

42,82,081 + 36,72,816 + 18,54,824 = 98,09,721

2,29,36,000.00

Asst. Executive Engineer
Project Division
Yelahanka Zone
Bangalore

Executive Engineer
Project Division
Yelahanka Zone
Bangalore

Executive Engineer
Electrical Division
Yelahanka Zone BBMP
Byatarayanapura, Bangalore-

Ralhmi

Hosti. ತೋಟಗಾರಿಕೆ ಅಧೀಕ್ಷಕರು
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Administrative sanctioned for Rs. 2,29,36,000/-

Rs. Two hundred twenty nine lakhs thirty six thousand only is accorded Under head Amrut Grants

Registered as CE No. AS: 22/17-18

Subject to conditions contained in enclosed

Memo No. AS-22/17-18 Dated 15/11/2017

JE / AE

EE/CE

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Technically sanctioned for Rs. 2,29,36,000/-

Rs. Two hundred twenty nine lakhs thirty six thousand only

Under Amrut Grants

Registered as CE No. TS-22/17-18

Subject to conditions contained in enclosed

Memo No. TS-22/17-18 Date 15/11/2017

JE / AE

EE/CE

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BRUHAT BANGALORE MAHANAGARA PALIKE, BANGALORE .

Name of the work: Vin Field layout park main road Jakkur Ward No-05.(Yalahanka)

Head of account :AMRUT Scheme. 2017-18.

Sl No	Paticulars		No	L	B	D	Qty	Budget Amount Rs. Rate	Amount
1	2		3	4	5	6	7	8	9
A	**Vin Field layout park main road Jakkur Ward No-05.(Yalahanka)**								
	DETAILED ESTIMATE FOR PARK(CIVIL WORKS)								
1	KSRRB 200-8. Clearing and grubbing road land including uprooting rank vegetation, grass, brush, shrubs, saplings and trees of girth upto 300mm, by manual means, in area of light jungle, removal of stumps, disposal of unserviceable materials, stacking of serviceable materials within a lead of 100 metres from road boundary, labour charges complete as per specifications. MORTH Chapter 2 (PWD SR 2016-17, I.No.18.11, P.No.136)								
	Basic rate		Rs.	6.00					
			Rs.	**6.00**	**Sqm**				
	Area weightage 6%			**0.36**					
	Total			**6.36**					
	Site Clearance		1	0.00	0.00		6997.22	sqm	
							6997.22	sqm	@ 6.36 **44,502.00**
2	KSRB 2-2.1: Earthwork excavation for foundation of buildings, culverts, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5m. In depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m after breaking of clods specifications. Specification No. KBS 2.1(a)/2.3.5 (PWD SR 2016-17, I.No.2.3, P.No.5)								
	Basic rate		Rs.	189.00					
			Rs.	**189.00**	**/Cum**				
	Area weightage 6%			**11.34**					
	Total			**200.34**					
	Compound	Foundation	1	344.60	0.90	1.05	325.65	cum	@ 200.34 65,240.12
	Gate	Foundation	6	0.60	0.60	1.05	2.27	cum	@ 200.34 454.37
							327.92	**Cum**	@ 200.34 **65,694.49**
3	KSRB 4-1.3: Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement@180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 (PWD SR 2016-17, I.No.4.3, P.No.12)								
	Basic rate		Rs.	4867.00					
			Rs.	**4867.00**	**/Cum**				
	Area weightage 6%			**292.02**					
	Total			**5159.02**					
	Compound	Foundation	1	344.60	0.90	0.15	46.52	Cum	5159.02 2,40,002.77
	Gates	Foundation	6	0.60	0.60	0.15	0.32	Cum	5159.02 1,671.52
							46.85	**Cum**	@ 5159.02 **2,41,674.29**
4	KSRB 5.2-3: Providing and constructing granite/ trap /basalt size stone masonry in foundation with Cement mortar 1:6, stone hammer dressed in courses not less than 20 cms high, bond stones at two m. Apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 (PWD SR 2016-17, I.No.5.6, P.No.23)								
	Basic rate		Rs.	4187.00					
			Rs.	**4187.00**	**/Cum**				
	Area weightage 6%			**251.22**					
	Total			**4438.22**					
	Footing 1	Foundation	1	344.60	0.60	0.30	62.03	Cum	4438.22 2,75,293.91
	Footing 2	Up to plinth	1	344.60	0.45	0.30	46.52	Cum	4438.22 2,06,470.43
	Footing 3	Up to ground	1	344.60	0.30	0.30	31.01	Cum	4438.22 1,37,646.96
							139.56	**Cum**	@ 4438.22 **6,19,411.30**
5	KSRB 5.3-3: Providing and constructing granite/trap/ basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 (PWD SR 2016-17 I.No.5.9, P.No.23)								
	Basic rate		Rs.	5005.00					
			Rs.	**5005.00**	**/Cum**				
	Area weightage 6%			**300.30**					
	Total			**5305.30**					
	Compound	above ground	1	344.60	0.30	0.30	31.01	cum	5305.30 1,64,538.57
							31.01	**cum**	@ 5305.30 **1,64,538.57**
6	KSRB 15.1.1 Providing flus pointing to coursed stone masonry with cement mortar 1:3 , 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications (PWD SR 2016-17, I.No.15.1, P.No.113)								
	Basic rate		Rs.	97.00					
			Rs.	**97.00**	**/SQM**				
	Area weightage 6%			**5.82**					
	Total			**102.82**					
	Compound	above ground	2	344.60		0.30	**206.76**	**Sqm**	@ 102.82 **21,259.06**
7	KSRB 4.2.2 : Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @320 kgs, with 20mm and down size graded granite metalcoarse aggregates @ 0.87cum and fine aggregates @ 0.459cum, with superplastisiser @ 3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all work. in foundation plinth and ground floor level for roof slabs, staircase, lintles, retaining walls, return walls, walls (any thickness) including attached plasters, columns, piers, abutments pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete as per specifications. Specification No. KBS 4.1, 4.6 (PWD SR 2016-17, I.No.4.11, P.No.13)								

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	Basic rate		Rs.	6011.00						
			Rs.	**6011.00**	**/Cum**					
	Area weightage 6%			**360.66**						
	Total			**6371.66**						
	Gate Raft foundation		6	0.45	0.45	0.20	0.243	Cum	6371.66	
	Gate pillars		6	0.30	0.30	3.15	1.70	Cum	6371.66	
							1.94	**Cum**	@ 6371.66	
8	KSRB 4.9.2:Providing T.M.T Steel reinforcement for RCC work including styraightening ,cutting ,bending ,hooking, placing in position ,lappingand/or welding where ever required ,tying with binding wire and anchoring to the adjoining members where ever nessassary complete as per design (laps and westage shall not be measured and paid) cost of matelal,labour HOM of machinary complete as per specifications no 4.6.3 (PWD SR 2016-17, I.No.4.46.2, P.No.17)									
	Basic rate		Rs.	**56050.00**						
			Rs.	**56050.00**	**Tonne**					
	Area weightage 6%			**3363.00**						
	Total			**59413.00**						
	Plinth beam @ 80 Kg / cum of concrete						1.241	Ton	@ 59413.00	73,705.39
	16 mm dia main bars	Gate Pillars	24	3.00		1.60	0.12	**Ton**	@ 59413.00	6,844.38
	8 mm dia stirrups	Gate Pillars	120	1.00		0.40	0.05	**Ton**	@ 59413.00	2,851.82
							1.40	**Ton**	@ 59413.00	**83,401.59**
9	KSRB 4.2.2 : Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @320 kgs, with 20mm and down size graded granite metalcoarse aggregates @ 0.878cum and fine aggregates @ 0.459cum, with superplastisiser @ 3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintles, retaining walls, return walls, walls (any thickness) including attached plasters, columns, piers, abutments pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete as per specifications. Specification No. KBS 4.1, 4.6 (PWD SR 2016-17, I.No.4.11, P.No.13)									
	Basic rate		Rs.	6011.00						
			Rs.	**6011.00**	**/Cum**					
	Area weightage 6%			**360.66**						
	Total			**6371.66**						
	Plinth Beam	Compound	1	344.60	0.30	0.15	15.51	cum	@ 6371.66	98,805.33
							15.51	cum	@ 6371.66	**98,805.33**
10	KSRB 15.3: Providing 12mm thick cement plaster in single coat with cement mortar 1:3, to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. (PWD SR 2016-17, I.No.15.9 & 15.10, P.No.113)									
	Basic rate		Rs.	181.00						
			Rs.	**181.00**	**/Sqm**					
	Area weightage 6%			**10.86**						
	Total			**191.86**						
	RCC Gate pillars		6	1.20		2.00	14.40	**sqm**	191.86	**2,762.78**
11	KSRBM 800-19 **Fencing with welded steel wire fabric 75mmx50mm.** Providing 1.2m heigh fencing with angle iron post 50mmx50mmx6mm at 3.0m c/c with 0.4m embeded in M15 grade cement concrete, corner, end and every 10th post studed, provided with welded steel wire fabric of 75mm x50mm mesh or 75mmx25mm mesh and fixed coiron posts by flat iron 50x5mm and bolts etc complete in a over compound walls as per using 16mmx16mm MS square rod @ 150mm c/c spacing and 6mmx40mm M.S. @ horizontal and 6mm x12mm M.S flat for ornamental design and providing shop edge design at the vertex of every verticle rods, including welding, grinding ll respects as per specifications. (PWD SR 2016-17, I.No.24.23, P.No.186)									
	Basic rate of 1.2 m high		Rs.	500.00	per meter					
	Area weightage 6%			**30.00**						
	Total			**530.00**						
	Steel wire fabric fencing		**1**	**235.02**			**235.02**	**meter**	@ 530.00	**1,24,560.60**
	Providing & fixing MS grill over existing compound wall as per using 16 mm x 16 mm MS square rod at 150 mm c/c spacing and 6 mm x 40 mm MS flats at horizontal and 6 mm x 12 mm MS flat for ornamental design & providing sharp edge design at the vertex of every vertical rods, including welding, grinding wherever necessary. All the steel surface should be thoroughly cleaned free of rust & painted with anticorrosive paint (shop paint) etc, complete. The work includes cost of all materials, labour charges for all items of work, hire charges for building, cutting & grinding, equipment & electricity charges etc. complete as per specifications. (PWD SR 2016-17, I.No.7.36, P.No.42)									
	Basic rate		Rs.	5224.00	per sqm					
			Rs.	**5224.00**	per sqm					
	Area weightage 6%			**313.44**						
	Total			**5537.44**						
	Ornamental MS steel grill		**1**	**110.00**		2.00	**220.00**	**Sqm**	@ 5537.44	**12,18,236.80**
12	Providing and fixing MS gate as per chief architect drawing using 50mmx50mm 14 gauge MS hallow pipe frame work bent to ornamental shape as shown in the drawing and 35mmx6mm and 16mm square rods for verticles alternatively spaced @4cm c/c in two halves and 40mmx 6mm MS flats for horizontal member and at the top cast iron spikes are provided at alternate verticle members as shown in the drawings. all the steel surface should be thouroughly cleaned free of rust and painted with anticorrosive paint (shop paint) etc. the work includes cost of all materials , labour charges for all items of work, higher charges for welding, cutting and grinding equipments, and electricity charges complete as per specifications. (PWD SR 2016-17, I.No.7.37, P.No.42)									
	Basic rate		Rs.	2934.00	/sqm					
			Rs.	**2934.00**	**Sqm**					
	Area weightage 6%			**176.04**						
	Total			**3110.04**						
		Gate	**2**	**3.00**		2.00	**12.00**	**sqm**	3110.04	37,320.48
		Small Gate	**2**	**2.60**		1.50	**7.80**	**sqm**	@ 3110.04	24,258.31
							19.80	**sqm**	@ 3110.04	**61,578.79**
13	KSRB 15-18.2 : Providing and applying enamel metal paint two coats (excluding priming coat) over new steel or other metal surface brushing to give an shade after cleaning oil, grease, dirt and other foreign matter, including cost of materials, labour, complete as per specifications. (PWD SR 2016-17, I.No.15.74, P.No.120)									
	Basic rate		Rs.	82.00						
			Rs.	**82.00**	**/Sqm**					
	Area weightage 6%			**4.92**						

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	Total									
		Main Gate	2	86.92					@ 86.92	1,043.04
		small gate	2	3.00		2.00	12.00	sqm	@ 86.92	677.98
		MS Grill	1	2.60		1.50	7.80	sqm	@ 86.92	19,122.40
				110.00		2.00	220.00	Sqm	@ 86.92	20,843.42
							239.80	sqm		
B									Total	27,79,655.54
	DETAILED ESTIMATE FOR GAZEBO									
14	KSRB 2-2.1: Earthwork excavation for foundation of buildings, culverts, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5m. In depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m after breaking of clods specifications. Specification No. KBS 2.1(a)/2 3.5 (PWD SR 2016-17, I.No.2.3, P.No.5)									
	Basic rate		Rs.	189.00						
			Rs.	189.00	/Cum					
	Area weightage 6%			11.34						
	Total			200.34						
	Size 3.5 x 3.5		4	3.50	0.80	1.20	13.44	cum	@ 200.34	2,692.57
	Size 6.5 x 6.5		8	6.50	0.80	1.20	49.92	cum	@ 200.34	10,000.97
							63.36	cum	@ 200.34	12,693.54
15	KSRB 4-1.3: Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregtes @ 0.57cum machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications.Specification No. KBS 4.1, 4.2 (PWD SR 2016-17, I.No.4.3, P.No.12)									
	Basic rate		Rs.	@ 4867.00						
			Rs.	@ 4867.00	/Cum					
	Area weightage 6%			292.02						
	Total			@ 5159.02						
	Size 3.5 x 3.5	Foundation	4	3.50	0.80	0.15		cum	1.68	@ 5159.02	8,667.15
	Size 6.5 x 6.5	Foundation	8	6.50	0.80	0.15		cum	6.24	@ 5159.02	32,192.28
								cum	7.92	@ 5159.02	40,859.44
16	KSRB 5.3-3:Providing and constructing granite/trap basalt size stone masonary in basement with cement mortar 1:6, edges of stones chistel dressed in courses not less than 15cms high, bond stones at 2m. Apart in each courses including cost of all materials , labours, curing complete as per specifications.KBS 5.1-13(PWD SR 2016-17, I.No.5.9, P.No.23)									
	Basic rate		Rs.	5005.00						
			Rs.	5005.00	/Cum					
	Area weightage 6%			300.30						
	Total			@ 5305.30						
	Size 3.5 x 3.5									
	1st footing	Foundation	4	3.50	0.60	0.60		cum	5.04	5305.30	26,738.71
	2nd footing	Up to Plinth	4	3.50	0.45	0.45		cum	2.84	5305.30	15,040.53
	Size 6.5 x 6.5									
	1st footing	Foundation	8	6.50	0.60	0.60		cum	18.72	5305.30	99,315.22
	2nd footing	Up to Plinth	8	6.50	0.45	0.45		cum	10.53	5305.30	55,864.81
									37.13	5305.30	1,96,959.26
17	KSRB4.2.2: Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement 320kgs, with 20mm and down size graded granite metal coarse aggregate @0.69cum and fine aggregates @ 0.460 cum, with superplastcisers@ 3liters conforming to IS9103-1999 reafirmed -2008, machine mixed concrete laid in layers not exceeding 15cms thick, vibrated for all works in foundation for footings, pedastals, retaining walls,return walls, walls(any thickness) including attatched pillasters, column spillars, posts,struts, buttrresses, bed blocksanchor blocks and plinths etc including cost of all materials , labour HOM of machinery curing complete but excluding cost of reinforcement as per specifications.KBS 4.1.4.6(PWD SR 2016-17, I.No.4.11, P.No.13)									
	Basic rate		Rs.	6011.00						
			Rs.	6011.00	/Cum					
	Area weightage 6%			360.66						
	Total			@ 6371.66						
	Size 3.5 x 3.5	Plint beam	4	3.50	0.30	0.30		cum	1.26	6371.66	8,028.29
	Size 6.5 x 6.5	Plint beam	8	6.50	0.30	0.30		cum	4.68	6371.66	29,819.37
									5.94	6371.66	37,847.66
18	Providing and supplying with necessary umbrella type bolts&nuts for ms plate fixing with bolt&connecting material for erecting 150x150x6mm thickness ms box section as per specifications and as directed by the department officers.for base plate(p.no x, si.no -289 code no-2016 pwd sr2016-17),b)anchor bolts-(p.no x, si.no -289 code no-2016 pwd sr2016-17)									
	Basic rate		Rs.	59.00	/kg					
			Rs.	59.00	/kg					
	Size 3.5 x 3.5			3.54						
	Area weightage 6%			62.54						
	base plate									
	base plate		1	59.00				kg	23.72	62.54	1,483.45
	anchor bolts 750mm		1	127.00				Nos	16.00	134.62	2,153.92
	Area weightage 6%			7.62							
	Total			134.62							
	Size 6.5 x 6.5(base plate)		2	47.44				kg	94.88	62.54	5,933.80
	anchor bolts 750mm		2	68.00				Nos	64.00	134.62	8,615.68
								kgs	118.60	62.54	
								nos	80.0	134.62	18,186.84
								kg	198.6	127.00	18,186.84
19	KSRB 2.8:Providing and filling in foundation with granite /trap broken metal 100mm and down size , with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift .complete as per specifications.specification no.KBS(pwd SR 2016-17, I.No.2.15, P.No.6)									
	Basic rate	/cum	Rs.	2114.00	cum					
	Area weightage 6%			126.84						
	Total			2240.84						
	Size 3.5 x 3.5		1	3.20	3.20	0.25		cum	2.56	2240.84	5,736.55
	Size 6.5 x 6.5		2	6.20	6.20	0.25		cum	19.22	2240.84	43,068.94
									21.78	2240.84	48,805.50

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20	KSRB4-1.3: providing and laying position of cement concrete of mix 1:4:8 with opc cement at 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85 cum and fine aggregates @0.57 cum machine mixed concrete laid in layers not exceeding 15cms thick well compacted in foundation including cost of all materials, labour, machinery, curing, complete as per specifications. specification No. KBS 4.1,4.2(PWD SR 2016-17, I.No.4.3, P.No.12)									
	Basic rate			Rs.	4867.00					
	flooring			Rs.	4867.00	/Cum				
	Area weightage 6%				292.02					
	Total				5159.02					
	Size 3.5 x 3.5		1	3.20	3.20	0.15	cum	1.54	5159.02	
	Size 6.5 x 6.5		2	6.20	6.20	0.25	cum	19.22	5159.02	
								20.76	5159.02	
21	Providing and fixing for flooring 20mm thick gang saw water cut sadarhalli grey granite in cement mortar CM 1:4 proportion, cut to required shape pattern with paper joints finished with cement mortar using white cement and colour pigments to match the colour of slb making through jointing with sealent grooves in joints including cost of all materials , mortar, labour, curing etc,. complete as per specifications minimum width of 1200 mm as per specifications PWD SR 2016-17 I.no14.61.1, P.no-109									
	Basic rate			Rs.	1986.00	/Sqm				
				Rs.	1986.00	/Sqm				
	Area weightage 6%				119.16					
	Total				2105.16					
	Size 3.5 x 3.5		1	3.20	3.2	0.00	Sqm	10.24	2105.16	
	Size 6.5 x 6.5		2	6.20	6.20	0.15	cum	19.22	2105.16	
								29.46	2105.16	
22	Gazebo of following sizes formation of superstructure in MS, as per the architectural design as enclosed									
	Providing and fixing of 150x150x10mm thick M.S Box section columns Fabricating, supplyinf and erecting MS Angular trusses for all spans as per apprroved design and drawings. The entire trusses is anchored suitably by using 4 Nos of anchor bolts at each support, with base plate shoe plate.the work includes straightening ,placing in position of MS Angle and welding whereever necessary and applying one coat of red oxide primer coat to all the members including cost of materials, labour charges and hire charges of machinery for cutting, welding, grinding and erection equipments etc,complete as per specifications (pwd SR 2016-17 p.no41 I.NO7.3)									
	Size 3.5 x 3.5	qty of steel	1	2,040.25	kg		kg	2040.25	124.02	2,53,031.81
	Size 6.5 x 6.5		2	3,924.57	kg		kg	7849.14	124.02	9,73,450.34
	Basic rate			117.00						
	Area weightage 6%			7.02						
	Total			124.02						
							kg	9889.39	124.02	12,26,482.15
23	KSRB:8.4.1:Providing and fixing of Mangalore tiles roofing using first class tiles with necessary special tiles for ridges and hips, teak wood reepers of size 50x25mm and pointed with cement mortar 1:4 over the existing rafters including cost of materials , labour,curing complete as per specifications. specification No. KBS8.17(pwd SR 2016-17 p.no47 I.NO .8.10)									
	Size 3.5 x 3.5		1	15.21			sqm	15.21	1,273.06	19,363.24
	Size 6.5 x 6.5		2	47.61				95.22	1,273.06	1,21,220.77
	Basic rate			1,201.00						
	Area weightage 6%			72.06						
	Total			1273.06						
							sqm	110.43	1,273.06	1,40,584.02
24	KSRB 15-18.2 :Providing and applying enamel metal paint two coats (excluding priming coat) over new steel or other metal surface brushing to give an shade after cleaning oil, grease, dirt and other foreign matter, including cost of materials, labour, complete as per specifications. (pwd SR 2016-17, I.No.15.74, P.No.121)									
	Size 3.5 x 3.5		1	12.25			sqm	12.25	86.92	1,064.77
	Size 6.5 x 6.5		2	42.25			sqm	84.50	86.92	7,344.74
	Basic rate			82.00						
	Area weightage 6%			4.92						
	Total			86.92						
							sqm	96.75	86.92	8,409.51
									Total	18,99,926.55
C	**WalkWAY**									
25	KSRRB M400-17. Providing, laying, spreading and compacting crushed stone aggregates of granite/ trap/ basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to the site , laying in uniform layers with paver in sub- base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. MORTH specification No.406 (SR 2016-17 I.no20.18, P.no-158)									
	Basic Rate			1668.00	/cum					
				1668.00	/cum					
	Area weightage 6%			100.08						
	Total			1768.08						
	WMM in two layers (for walkway with pa		2	550.00	2.00	0.125	275.00	cum	1768.08	4,86,222.00
26	KSRB 14.6-1: Providing & laying heavy duty cobble stones 60 mm thick interlocked pavers, using cement & coarse sand for manufacture of blocks of approved size, shape & colour with a minimum compressive strength of 281 Kg/sqm over 50 mm thick sand bed (average thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints in to its final level, including cost of materials, labour and HOM of machineries complete as per specifications (P NO 101, I. NO14.6 pwd & IWTD,SZBD 2016-17)									
	Basic Rate			912.00						
				912.00						
	Area weightage 6%			54.72	/Cum					
	Total			966.72						
	Paver Block over 50 mm thick sand		1	240.00	2.00		Sqm	480.00	966.72	4,64,025.60

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27	Providing and fixing pre cast solid concrete kerb stones made out of CC 1:2:4 and finished with CM 1:3 plastering and finishing cutting etc., complete size 450 x 200 x 400 mm (SOR No5.29.1 P.no-25)2016-17									
	Basic rate		Rs.	364.00						
			Rs.	364.00	/Nos					
	Area weightage 6%			21.84						
	Total			385.84						
	Both sides of pathway (with paver block)	2444.441								
	Wastage	15%					2444.4	Each		
							366.7	Each		
							2811.11		@ 385.84	10,84,639.11
									Total	20,34,886.71
	Children Equipments									
28	Rain bow climber: LK-CL-81:All round and rectangular pipes are GI or CR,ISI make.Gauge 14 gauge,2coating are red oxide and final paints of industrial paint, Nut bolt GI, bearing heavy ,(branded).FRP thickness-4-5mm ,swing assembly6mm chain with rubber coating									
	Basic rate		Rs.	7800						
			Rs.	7800	Each					
	GST 18%			1404						
	Transportation charges			3000						
	Total			12204.00			3.00	Each	@ 12204.00	36,612.00
29	sea saw double:LK-SS-63..All round and rectangular pipes are GI or CR,ISI make.Gauge 14 gauge,2coating are red oxide and final paints of industrial paint, Nut bolt GI, bearing heavy ,(branded).FRP thickness-4-5mm ,swing assembly6mm chain with rubber coating									
	Basic rate		Rs.	9425						
			Rs.	9425	Each					
	GST			1697						
	Transportation charges			3000						
	Total			14121.50			8.00	Each	@ 14121.50	1,12,972.00
30	Arch swing two seater:LK-Sw-51..All round and rectangular pipes are GI or CR,ISI make.Gauge 14 gauge,2coating are red oxide and final paints of industrial paint, Nut bolt GI, bearing heavy ,(branded).FRP thickness-4-5mm ,swing assembly6mm chain with rubber coating									
	Basic rate		Rs.	24700						
			Rs.	24700	Each					
	GST			4446						
	Transportation charges			3000						
	Total			32146.00			6.00	Each	@ 32146.00	1,92,876.00
31	FRP rabbit dust bins LK-DB-123 (quatation Rates : Including all taxes)									
	Basic rate		Rs.	4500						
			Rs.	4500	Each					
	GST 18%			810						
	Transportation charges			0						
	Total			5310			26.00	Each	@ 5310.00	1,38,060.00
32	Two way slide.(slide double-LK-SL-28)All round and rectangular pipes are GI or CR,ISI make.Gauge 14 gauge,2coating are red oxide and final paints of industrial paint, Nut bolt GI, bearing heavy ,(branded).FRP thickness-4-5mm ,swing assembly6mm chain with rubber coating									
	Basic rate		Rs.	42250						
			Rs.	42250	Each					
	GST 18%			7605						
	Transportation charges			3000						
	Total			52855			7.00	Each	@ 52855.00	3,69,985.00
33	Standing mary go round: LK-MGR-39All round and rectangular pipes are GI or CR,ISI make.Gauge 14 gauge,2coating are red oxide and final paints of industrial paint, Nut bolt GI, bearing heavy ,(branded).FRP thickness-4-5mm ,swing assembly6mm chain with rubber coating									
	Basic rate		Rs.	18200						
			Rs.	18200	Each					
	GST			3276						
	Transportation charges			3000						
	Total			24476.00			4.00	Each	@ 24476.00	97,904.00
34	Duck mary go round: LK-MGR-46All round and rectangular pipes are GI or CR,ISI make.Gauge 14 gauge,2coating are red oxide and final paints of industrial paint, Nut bolt GI, bearing heavy ,(branded).FRP thickness-4-5mm ,swing assembly6mm chain with rubber coating									
	Basic rate		Rs.	17875						
			Rs.	17875	Each					
	GST			3218						
	Transportation charges			3000						
	Total			24092.50			4.00	Each	@ 24092.50	96,370.00
35	FRP STRIP CI- Benches LK-GB-101 ,L 5' /W2.5'/H 2.5'(quatation Rates : Including all taxes)									
	Basic rate		Rs	12000						
			Rs	12000	Each					
	GST 18%			2160			35.00	Each	@ 14160.00	4,95,600.00
	Transportation charges			0						
	Total			14160						
									Total	15,40,379.00

2,6,34,253.00

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36	KSRB2.6 Providing and filling sand in Kids play area with all leads and lift complete as per specification. (Pwd SR 2016-17, P.No.6, It.No.2.13)											
	Basic rate			Rs.	2135.00							
				Rs.	2135.00	/Cum						
	Area weightage 6%				128.10							
	Total				2263.10							
	Kids play area	Split: open 24m Area =		Cum	550.0	730	0.3	165	219	cum	@ 2263.10	3,73,635.00
						Open Gym Equipments						
37	supply and fixing of HD Health Walker Metal::All tubular steel of 2.5mm thickness are galvanised and zinc dipped joints are robotic welded. all welded joints are scalloped as necessary and welded to an approvedMIG process .all welds are dressed off removing all sharp edges burts.zinc primer paints applied at all the welding points prior to finishing . all metal parts are powdered coated using AKZO Nobel Great wall powder to the thickness of 80-120microns. all metal parts are tested in our salt spray machine that uses a 5%Nacl solution in accordance to ISO7227 to sped up corrosion for 3000hrs. rubber hikgh quality grip rubber is used for the handles bearings .maintenance -free ball bearings .scope of delivery 1 completely pressed assembled equipment modules . maintenance: maintain according to EN 16630 and maintenance guide .saftey: all products must be tested and certified to meet EN16630 saftey standards with GS test Mark.The EN16630 certificates must be issued by areputed notified international certifying agencey such as IPEMA,TUV,CPSC,or SGS only .the GS Mark EN16630 certificates must be in the name of tendering party and not any 3rd party .all products must clearly display the GS mark as has been issued in the EN16630 saftey certificates.all product must carry a GS mark on it. size(LxWxH) 2015x615x1360mm , weight:93kg , saftey area:5015x3015mm capacity 2persons											4,95,618.00
	Basic rate			Rs.	95000							
				Rs.	95000	Each						
	GST 28%				26600							
	Transportation charges				8000	400						
	Total				129600							
					1,25,600				2.00	Each	@ 129600.00	2,59,200.00
38	supply and fixing of HD Squat pushing Metal::All tubular steel of 2.5mm thickness are galvanised and zinc dipped joints are robotic welded. all welded joints are scalloped as necessary and welded to an approvedMIG process .all welds are dressed off removing all sharp edges burts.zinc primer paints applied at all the welding points prior to finishing . all metal parts are powdered coated using AKZO Nobel Great wall powder to the thickness of 80-120microns. all metal parts are tested in our salt spray machine that uses a 5%Nacl solution in accordance to ISO7227 to sped up corrosion for 3000hrs. rubber hikgh quality grip rubber is used for the handles bearings .maintenance -free ball bearings .scope of delivery 1 completely pressed assembled equipment modules . maintenance: maintain according to EN 16630 and maintenance guide .saftey: all products must be tested and certified to meet EN16630 saftey standards with GS test Mark.The EN16630 certificates must be issued by a. sputed notified international certifying agencey such as IPEMA,TUV,CPSC,or SGS only . the GS Mark EN16630 certificates must be in the name of tendering party and not any 3rd party .all products must clearly display the GS mark as has been issued in the EN16630 saftey certificates.all product must carry a GS mark on it. size(LxWxH) 2270x635x1640mm , weight:60.2kg , saftey area:5300x3685mm capacity 2persons.											2,51,200.00
	Basic rate			Rs.	135000							
				Rs.	135000	Each						
	GST 28%				37800							
	Transportation charges				8000	4000						
	Total				180800							
					1,76,800.00				2.00	Each	1,76,800 @ 180800.00	3,61,600.00
39	Supply & Fixing of Double Ski Walker Metal: All tubular steel of 2.5MM thickness are glavanized and zinc dipped. Joints are Robotic welded. All welded joints are scalloped as necessary and welded to an approved MIG Process. All welds are dressed off removing all sharp edges and burrs. Zinc Primer paint is applied at all the welding points prior to dinishing. All metal parts are powder coated using AKZO nobel-Great Wall powder to the thickness of 80-120 microns. All metal parts are tested in our salt spray macjine that uses a 5% NaCl solution in accordance to ISO7227 to speed up corrosion for 3000 Hrs. Rubber: High quality grip rubber is used for the hadles. Bearings: Maintenance free ball bearings. Scope of Delivery: 1 completely pre-assembled equipment modules. Maintenance: Maintain according to EN 16630 and the maintenance guide. Safety: All products must be tested ans certified to meet EN16630 safety standards with GS test mark. The EN 16630 certificates must be issued by a reputed notified international certifying agency such as IPEMA, TUV, CPSC or SGS only. The GS Mark EN16630 Cetificates must be in the name of tendering party and not any 3rd Party. All products must clearly deplay the GS Mark as has been issued in the EN 16630 safety certificates. Size_LxWxH: 1065 x 615 x 1364 mm. Weight: 51 KG Safety Area: 4090 x 3555 mm, Capacity 1 Person											3,53,600.00
	Basic rate			Rs.	150000							
				Rs.	150000	Each						
	GST 28%				42000							
	Transportation charges				8000	4000						
	Total				200000							
					1,96,000				2.00	Each	1,96,000 @ 200000.00	4,00,000.00
40	Supply and fixing of HD Situp Station Metal:All tubular steel of 2.5mm thickness are galvanised and zinc dipped joints are robotic welded. all welded joints are scalloped as necessary and welded to an approvedMIG process .all welds are dressed off removing all sharp edges burts.zinc primer paints applied at all the welding points prior to finishing . all metal parts are powdered coated using AKZO Nobel Great wall powder to the thickness of 80-120microns. all metal parts are tested in our salt spray machine that uses a 5%Nacl solution in accordance to ISO7227 to sped up corrosion for 3000hrs. rubber hikgh quality grip rubber is used for the handles bearings .maintenance -free ball bearings .scope of delivery 1 completely pressed assembled equipment modules . maintenance: maintain according to EN 16630 and maintenance guide .saftey: all products must be tested and certified to meet EN16630 saftey standards with GS test Mark.The EN16630 certificates must be issued by a reputed notified international certifying agencey such as IPEMA,TUV,CPSC,or SGS only . the GS Mark EN16630 certificates must be in the name of tendering party and not any 3rd party .all products must clearly display the GS mark as has been issued in the EN16630 saftey certificates.all product must carry a GS mark on it. size(LxWxH) 1412x1366x650mm , weight:42.6kg , saftey area:4462x4078mm capacity 2 persons											3,92,000.00
	Basic rate			Rs	110000							
				Rs.	110000	Each						
	GST 28%				30800							
	Transportation charges				8000	4000						
	Total				148800							
					1,44,800.00				2.00	Each	@ 148800.00	2,97,600.00

1,44,800.00 2,89,600.00

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